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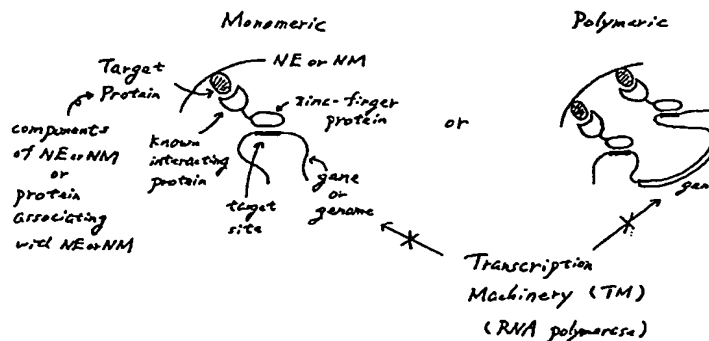
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(54) Title: NUCLEAR-ENVELOPE AND NUCLEAR-LAMINA BINDING CHIMERAS FOR MODULATING GENE EXPRES-
SION

New Strategy for Repression

~ Fixation of Target Genes to Nuclear Scaffolds
through Zinc-Finger Proteins

For example: to Nuclear Matrix (NM)
and/or
to Nuclear Envelope (NE).



(57) Abstract: The present invention is directed to nucleic acid target-specific chimeric proteins comprising a nuclear-envelope and/or nuclear-lamina binding domain and a DNA binding domain. These proteins, as well as the nucleic acids encoding those proteins, can be used in methods to repress or down-regulate expression of selected genes. The DNA binding domains are preferably from naturally-occurring zinc finger proteins (ZFPs) or artificial zinc finger proteins (AZPs). Molecular switch systems for gene regulation are also provided.

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